syscon®
Waste Management Systems

MGB 1.100 Round Lid

MGB 1.200 Round Lid

MGB 1.000 Flat Lid

MGB 1.100 Flat Lid

MGB 770 Flat Lid

MGB 660 Flat Lid

User Manual

4-Wheel Polyethylene Mobile Garbage Bins

Introduction

Thank you for purchasing a four wheel polyethylene MGB from SYSCON Waste Management Systems. Please read the following User Manual carefully to become acquainted with some of the important features and specifications of your mobile garbage bin.

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1. Technical Specifications

1.1 General Characteristics

MGB		660 l Flat Lid	770 l Flat Lid	1000 l Flat Lid	1100 l Flat Lid	1100 l Round Lid	1200 l Round Lid
Volume (l)		667	797	1047	1047	1148	1148
Dead Weight (kg)		40	44	51	51	64	64
Maximum Load (kg)		270	326	449	449	466	466
Total Height (mm)	A	1190	1350	1335	1335	1460	1460
Total Width (mm)	B	1360	1360	1360	1360	1360	1360
Total Depth (mm)	C	780	780	1030	1030	1050	1050
Upper Edge Comb (mm)	D	1085	1240	1230	1230	1230	1230
Wheel Diameter (mm)	E	200	200	200	200	200	200

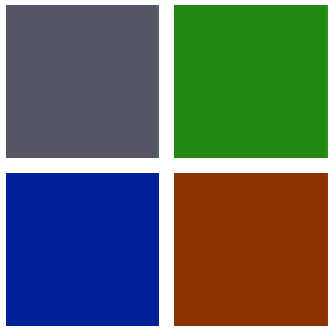
Subject to alterations.

The total permissible weight per bin amounts to:

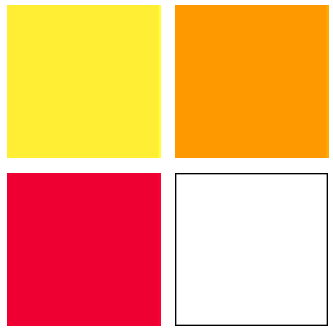
MGB660L Flat Lid	305 kg
MGB770L Flat Lid	353 kg
MGB1000L Flat Lid	440 kg
MGB1100L Flat Lid	440 kg
MGB1100L Round Lid	440 kg
MGB1200L Round Lid	440 kg

All bins have wheels with metal / plastic bearings.

Standard colours:



Special colours:



1.2 Detailed Specifications

	MGB 660	MGB 770	MGB 1000/ 1100 Flat Lid	MGB 1100 / 1200 Round Lid
Lifting System	(DIN+AFNOR) Comb	(DIN+AFNOR) Comb	(DIN+AFNOR) Comb	(DIN+AFNOR) Comb
Thickness	Side 5,3mm – Bottom 5,7mm – Lid 5,3mm	Side 5,3mm – Bottom 5,7mm – Lid 5,3mm	Side 5,7 mm – Bottom 6,0mm – Lid 5,3mm	Side 5,7 mm – Bottom 6,0mm – Lid 5,3mm
Volume of the Body	617 l	748 l	975,2 l	975,2 l
Total Volume	667 l	797 l	1047 l	1148 l
Wheel	200mm Plastic or Metal with Rubber Rim	200mm Plastic or Metal with Rubber Rim	200mm Plastic or Metal with Rubber Rim	200mm Plastic or Metal with Rubber Rim
Lid	assembled Aluminium hinge tube with two hinge pins and fixing screw	assembled Aluminium hinge tube with two hinge pins and fixing screw	assembled Aluminium hinge tube with two hinge pins and fixing screw	Safety Lid, assembled lid arm with spring
Empty Weight	40 kg	44 kg	51 kg	64 kg
Nominal Load	270 kg	326 kg	449 kg	466 kg

1.3 Construction Details

	MGB 660	MGB 770	MGB 1000/ 1100 Flat Lid	MGB 1100 / 1200 Round Lid
Construction Technology	Injection moulding	Injection moulding	Injection moulding	Injection moulding
Construction Norm	Din-EN 840-2	Din-EN 840-2	Din-EN 840-2	Din-EN 840-2
Material	HDPE – high density polyethylene	HDPE – high density polyethylene	HDPE – high density polyethylene	HDPE – high density polyethylene
Processing	Mass colouration with UV protection	Mass colouration with UV protection	Mass colouration with UV protection	Mass colouration with UV protection
Specific Gravity	0,953 g/cm3	0,955 g/cm3	0,955 g/cm3	0,955 g/cm3
Material M.F.I.	3,86g/10 min (190/2)	3,86g/10 min (190/2)	3,86g/10 min (190/2)	3,86g/10 min (190/2)
Notched Impact Test	7,6 Mj/mm2	7,6 Mj/mm2	7,6 Mj/mm2	7,6 Mj/mm2
Melting temperature	126°C	126°C	126°C	126°C
Hardness	48N/mm2	48N/mm2	48N/mm2	48N/mm2
Bending Resistance	20N/mm2	20N/mm2	20N/mm2	20N/mm2
Tearing Resistance	29N/mm2	29N/mm2	29N/mm2	29N/mm2
Impact Resistance	No breaks ISO R 79	No breaks ISO R 79	No breaks ISO R 79	No breaks ISO R 79
Lengthening	>600% ISO R 527	>600% ISO R 527	>600% ISO R 527	>600% ISO R 527
Liquid Absorption	none	none	none	none
Corrosion Resistance	100%	100%	100%	100%

The bins are manufactured from high quality raw material, meeting the highest client expectations and guaranteeing long service life and stability, even after several years of use.

2. General User Instructions

2.1 Proper Use of the Four Wheel MGB

- Do not, under any circumstances, use the bin for the disposal of hot ashes or inflammable material.
- Do not dispose of any non recyclable liquids, such as oil, grease or industrial liquid waste.
- Do not dispose of large or heavy metal or steel objects.
- Do not dispose of heavy objects or equipment.

All bins have a maximum load capacity which is set out in the table *General Characteristics* on page 1.
Overloading may cause damage to the bin.

2.2 Waste Disposal

In most cases, your municipal authority will supply different means of disposing of a range of recyclable and non-recyclable materials. If so, please ensure that your litter is placed into the proper bin depending on the material. In any case, before you throw away your litter, please remember to:

- decrease the volume of your waste
- empty liquids out of bottles and remove paper labels
- remove packaging from recyclable waste
- avoid disposing of loose, very light materials, which may pollute the surrounding area
- place the waste in a bin liner before disposing of it in the bin.

3. Standard Features

3.1 Lifting Systems

SYSCON supplies the 4-wheel polyethylene bins with a specially strengthened ribbed DIN comb bar.

This ensures optimum compatibility and quick secure picking up of the bin using all common lifting procedures. It also guarantees a high life expectancy of the bins in their daily use. On request, four wheel bins can also be equipped with DIN lifting trunnions.

Bins can also be supplied with OCHSNER handles made out of galvanised steel or with additional robust plastic handles.

Optionally, the bins can also be supplied with AFNOR comb bars.

3.2 Brake Systems

The containers are available either with a braking system operating on two wheels indepently (footbrakes) or a central braking system based on a side pedal, lock and triangular key which locks two wheels simultaneously.

The adjusted braking torque is:

MGB 660L	29 Nm
MGB 770L	28 Nm
MGB 1000L / 110L Flat Lid & MGB 1100L / 1200L ...	25 Nm

3.3 Water Drainage Outlet

A bung with drain plug is integrated into the floor of four wheel bins. In combination with the smooth surfaces and the rounded edges of the bin, this makes for easy, hygienic cleaning of the bin. Rain water and liquid residues can be drained off easily. The plug is water tight and can be opened from the outside.

On request four wheel containers can also be supplied without drainage outlet, for instance for the collection of medical waste. Clinical bins correspond to Standard UN 50H.

3.4 Handling

On request all four wheel bins can be supplied with additional pulling handles, which facilitates handling further for users and working personnel and leads to increased manoeuvrability.

The pulling force of each type of bin was measured according to the EN 840-5 norm, before and after the kerb travel test.

		MGB660	MGB770	MGB1000 MGB1100 Flat Lid	MGB1100 MGB1200 Round Lid
Start	Pulling force for new containers	235 N	245 N	295 N	305 N
Steady moving		190 N	200 N	205 N	216 N
Start	After the kerb travel test	246 N	252 N	345 N	357 N
Steady moving		200 N	211 N	235 N	246 N

4. Optional Features

4.1 Foot Pedal

The foot pedal is an additional accessory that allows easy opening of the lid with one foot, freeing both hands. In addition, a special lid opening mechanism can be installed which prevents the container being damaged if the lid is closed by force while the foot pedal is pressed.

A further "smart" option allows the lid to remain open without the foot pedal having to remain pressed. Renewed pressure on the foot pedal releases the lid allowing it to become closed.

4.2 Chip Nest

Identification of individual bins and recording of bin data is made possible via a special chip nest. Each SYSCON bin is equipped with such a chip nest discreetly placed under the comb. The chip is placed there almost invisibly, protected long-term against rain water and mechanical damage. It is programmed individually and read during the lifting and tipping process.

4.3 Insert / Lid Solutions

On request, SYSCON offers a variety of special reinforced lid solutions. These lids are firmly hinged to the body, absorbing any shock and pressure caused during use and emptying. The various lids offer appropriate solutions for standard materials such as metal, glass and paper. Please read carefully the instructions regarding the handling of recycling materials in the chapter on *Waste Disposal.*

Paper Insertion Slot
with Rain Hood

Glass Insertion with Rubber Rosette

4.4 Lid within Lid

On request, two smaller lids (34 x 30 cm) can be placed within the main lid to ensure the proper placement of domestic litter and prevent the insertion of bulky refuse. This new SYSCON option replaces previous individual solutions which tended to be less elegant and more expensive.

4.5 Lock Systems and Central Locking

SYSCON offers a central locking system which locks the wheels preventing unauthorised movement of the container.

Two different types of lock systems prevent unauthorised opening of the container lid. The gravity lock opens automatically during the emptying process and closes again when the process is completed. The triangular lock is an 'open – closed' lock with a locking hook.

4.6 Wheels

SYSCON offers different types of wheels to cover every possible requirement.

Steering castors with wheel steering guide and wheel brake system can be fitted on demand.

All containers have wheels with metal / plastic bearings.

Heavy duty castors

Wheels with steel rim

Non-marking wheels

5. Certifications

Quality assured:
High quality products and safety of use are taken for granted at SYSCON. All products are therefore manufactured, tested and certified according to the latest European standards. In addition, the GS label, issued by the Gewerbeanstalt (LGA) Bavaria demonstrates to our clients that the safety of our products has been tested and certified.

5.1 ISO Certification

Systematic quality control of the raw material, manufacturing processes and end products ensure consistent quality in line with ISO 9001 Quality Management Systems. Strategies and actions related to environmental issues conform to the ISO 14001 Environmental System Standard.

5.2 GS Label

The GS Label stands for 'Geprüfte Sicherheit', ie. safety tested. It certifies that a product meets the requirements of the German safety law GSG, the safety regulations of the trade associations, DIN and EN standards, as well as commonly accepted technical regulations. In order to display a GS label for a product, a manufacturer needs to have it tested by an accredited inspection authority (e.g. the LGA). To maintain the label, an annual inspection of the production plant is required.

5.3 EN Certification

SYSCON and all four wheel mobile garbage bins are certified according to Standard EN 840.

5.4 Noise Certification LWA 99 db (A)

Similarly, bins have been tested and certified according to European Standard LWA 99db (A).

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